

## CLAIMS:

1. A lamp assembly comprising:  
- a lamp vessel (22) of quartz glass closed in a gastight manner, the lamp vessel (22) having a longitudinal axis (8) and comprising at least one vessel end portion (1; 1A, 1B),  
- at least one metal-foil electrical feed-through (2; 3, 4, 5; 3A, 4A, 5A; 3B, 4B,  
5 5B) providing an electrical connection from the interior of the lamp vessel (22) through the vessel end portion (1) to outside the lamp vessel (22),  
- at least a portion (3; 3A, 3B) of the metal-foil electrical feed-through (2; 3, 4, 5; 3A, 4A, 5A; 3B, 4B, 5B) being arranged in the vessel end portion (1) in a plane substantially perpendicular to the longitudinal axis (8).

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2. A lamp assembly as claimed in claim 1, characterized in that the metal-foil electrical feed-through (2; 3, 4, 5; 3A, 4A, 5A; 3B, 4B, 5B) comprises a central foil portion (3; 3A; 3B) and a first and a second foil end portion (4, 5; 4A, 5A; 4B, 5B), the central foil portion (3A; 3B) being arranged in the plane perpendicular to the longitudinal axis (8) and 15 the first and second foil end portions (4, 5; 4A, 5A; 4B, 5B) issuing from the vessel end portion (1), such that the first foil end portion (4; 4A; 4B) extends to the interior of the lamp vessel (22) and the second foil end portion (5; 5A; 5B) extends to outside the lamp vessel (22).

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3. A lamp assembly as claimed in claim 1 or 2, characterized in that the vessel end portion (1) is provided with a first and a second metal-foil electrical feed-through (3A, 4A, 5A; 3B, 4B, 5B).

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4. A lamp assembly as claimed in claim 2 and 3, characterized in that the first metal-foil electrical feed-through (3A, 4A, 5A) comprises a first central foil portion (3A) and the second metal-foil electrical feed-through (3B, 4B, 5B) comprises a second central foil portion (3B), the first central foil portion (3A) being arranged substantially parallel to the second central foil portion (3B).

5. A lamp assembly as claimed in claim 2 and 3, characterized in that the first metal-foil electrical feed-through (3A, 4A, 5A) comprises a first central foil portion (3A) and the second metal-foil electrical feed-through (3B, 4B, 5B) comprises a second central foil portion (3B), the first central foil portion (3A) being arranged in a crossing relationship with respect to the second central foil portion (3B).

6. A lamp assembly as claimed in claim 2 and 3, characterized in that the first foil end portion (4A; 4B) is provided with an inner conductor (14A; 14B) in the interior of the lamp vessel (22) and that the second foil end portion (5A; 5B) is provided with an outer conductor (15A; 15B) outside the lamp vessel (22).

10 7. A lamp assembly as claimed in claim 1 or 2, characterized in that the metal-foil electrical feed-through (2; 3, 4, 5; 3A, 4A, 5A; 3B, 4B, 5B) comprises molybdenum.

15 8. A lamp assembly as claimed in claim 1 or 2, characterized in that a surface of the metal-foil electrical feed-through (2; 3, 4, 5; 3A, 4A, 5A; 3B, 4B, 5B) is provided with an oxidation-inhibiting material.

20 9. A lamp assembly as claimed in claim 1 or 2, characterized in that the metal-foil electrical feed-through (2; 3, 4, 5; 3A, 4A, 5A; 3B, 4B, 5B) comprises a pair of mutually opposed knife edges extending transversely to the longitudinal axis (8).

10. A lamp assembly as claimed in claim 1 or 2, further including an incandescent filament (20) located in the interior of the lamp vessel (22) and connected to the metal-foil electrical feed-through (4A; 4B).

25 11. A lamp assembly as claimed in claim 1 or 2, further including a discharge electrode (30A, 30B) located in the interior of the lamp vessel (22) and coupled to the metal-foil electrical feed-through (4A; 4B).